

Application Number 09/873,933
Responsive to Office Action mailed December 28, 2007

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This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Previously Presented): A method for correlating a subscriber unit in a point to multipoint network with a geographic location, the method comprising:

prompting an installer to manually input a location code associated with a subscriber, the location code permitting identification of a geographic location of the subscriber;

receiving the location code in the subscriber unit;

transmitting the location code and a subscriber unit identifier via the network from the subscriber unit to a central repository; and

storing the location code and the subscriber unit identifier in the central repository to correlate the subscriber unit with the geographic location.

Claim 2 (Currently Amended): The method of claim 1 further comprising:

checking the location code for errors before storing;

upon finding an error, transmitting an instruction to the subscriber unit to indicate the error to the installer; and

upon finding no errors, ~~storing the location code~~ correlating the subscriber unit with the geographic location using the location code and the subscriber unit identifier.

Claim 3 (Previously Presented): The method of claim 2 further comprising prompting the installer to reinput the location code upon finding an error.

Claims 4-36 (Canceled).

Claim 37 (Previously Presented): The method of claim 1, wherein the location code permits identification of network service parameters associated with the subscriber unit.

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Claim 38 (Withdrawn): The method of claim 1, wherein the point to multipoint network includes a passive optical network (PON).

Claim 39 (Previously Presented): The method of claim 1, further comprising receiving the location code by manual entry of the location code into the subscriber unit by a technician.

Claim 40 (Previously Presented): The method of claim 39, further comprising prompting a technician to manually enter the location code into the subscriber unit.

Claim 41 (Previously Presented): The method of claim 39, further comprising receiving the location code via a butt set device coupled to the subscriber unit.

Claim 42 (Withdrawn): The method of claim 39, wherein transmitting the location code includes transmitting the location code to the central repository via an optical line terminator coupled to the subscriber unit via an optical fiber link.

Claim 43 (Previously Presented): The method of claim 1, wherein the subscriber unit is equipped to receive information including voice, video and data content.

Claim 44 (Previously Presented): The method of claim 1, further comprising:
checking the location code for errors; and
upon detection of an error in the location code, transmitting an indication of the error to the subscriber unit via the network.

Claim 45 (Withdrawn): The method of claim 1, wherein the subscriber unit includes an optical network unit (ONU).

Claim 46 (Canceled).

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Claim 47 (Previously Presented): The method of claim 1, wherein the subscriber unit identifier includes a serial number.

Claim 48 (Previously Presented): The method of claim 1, further comprising correlating the subscriber unit with the geographic location using the location code and the subscriber unit identifier.

Claim 49 (Previously Presented): A method comprising:

receiving a location code associated with a subscriber in a subscriber unit in a point to multipoint network, wherein the location code permits identification of a geographic location of the subscriber; and

transmitting the location code and a subscriber unit identifier from the subscriber unit to a remote device for correlation of the subscriber unit with the geographic location.

Claim 50 (Previously Presented): The method of claim 49, further comprising receiving the location code by manual entry of the location code into the subscriber unit by a technician.

Claim 51 (Previously Presented): The method of claim 49, further comprising prompting a technician to manually enter the location code into the subscriber unit.

Claim 52 (Previously Presented): The method of claim 51, further comprising receiving the location code via a butt set device coupled to the subscriber unit.

Claim 53 (Previously Presented): The method of claim 49, further comprising receiving information packets including voice data for delivery of telephone services to the subscriber.

Claim 54 (Previously Presented): The method of claim 49, further comprising receiving information packets including voice, video and data content.

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Claim 55 (Previously Presented): The method of claim 49, further comprising:

checking the location code for errors; and

upon detection of an error in the location code, transmitting an indication of the error to the subscriber unit via the network.

Claim 56 (Previously Presented): A subscriber unit for a point to multipoint network, the subscriber unit comprising:

a subscriber interface that receives a location code associated with a subscriber, wherein the location code permits identification of a geographic location of the subscriber; and

a network interface that transmits the location code and a subscriber unit identifier to a remote device for correlation of the location code with the geographic location.

Claim 57 (Previously Presented): The subscriber unit of claim 56, wherein the subscriber interface is configured to receive the location code by manual entry of the location code into the subscriber unit by a technician.

Claim 58 (Previously Presented): The subscriber unit of claim 56, wherein the subscriber interface is configured to prompt a technician to manually enter the location code into the subscriber unit.

Claim 59 (Previously Presented): The subscriber unit of claim 58, wherein the subscriber interface is configured to receive the location code via a butt set device.

Claim 60 (Previously Presented): The subscriber unit of claim 56, wherein the network interface is configured to receive information packets including voice data for delivery of telephone services to the subscriber.

Claim 61 (Previously Presented): The subscriber unit of claim 56, wherein the network interface is configured to receive information packets including voice, video and data content.

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Claim 62 (Previously Presented): The method of claim 1, wherein the subscriber unit is located at the geographic location of the subscriber.

Claim 63 (Currently Amended): A method for correlating a subscriber unit in a point to multipoint network with a geographic location, the method comprising:

prompting an installer to manually input a location code associated with a human subscriber into the subscriber unit, the location code permitting identification of a geographic location of the human subscriber, wherein the subscriber unit is located at the geographic location of the human subscriber;

receiving the location code in the subscriber unit;

transmitting the location code and a subscriber unit identifier from the subscriber unit to a remote device central repository via the network;

~~storing the location code and the subscriber unit identifier in the central repository;~~ and

correlating the subscriber unit with the geographic location based on the location code and the subscriber unit identifier.

Claim 64 (Previously Presented): The method of claim 1, further comprising activating subscriber services provisioned for the subscriber after the correlation of the subscriber unit with the geographic location.

Claim 65 (New): The method of claim 49, further comprising correlating the subscriber unit with the geographic location using the location code and the subscriber unit identifier.

Claim 66 (New): The method of claim 65, further comprising activating subscriber services provisioned for the subscriber after the correlation of the subscriber unit with the geographic location.

Claim 67 (New): The method of claim 63, further comprising activating subscriber services provisioned for the subscriber after the correlation of the subscriber unit with the geographic location.

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Claim 68 (New): A point to multipoint network comprising:

- a remote device;
- a first line connected to the remote device;
- a passive splitter connected to the first line opposite the remote device;
- a plurality of additional lines connected to the passive splitter opposite to the first line;

and

a plurality of subscriber units, each of the subscriber units connected to one of the additional lines opposite to the passive splitter,

wherein each one of the subscriber units sends a subscriber unit identifier associated with the one of the subscriber units and a location code associated with a subscriber using the one of the subscriber units to the remote device via one of the set of additional lines, the passive splitter and the first line,

wherein the location code permits identification of a geographic location of the subscriber using the one of the subscriber units,

wherein the remote device receives the subscriber unit identifiers and the location codes received from the subscriber units, and correlates the one of the subscriber units with the geographic location of the subscriber using the subscriber unit identifier and the location code received from the respective one of the subscriber units.

Claim 69 (New): The point to multipoint network of claim 68, wherein the remote device activates subscriber services provisioned for the subscriber using the respective one of the subscriber units after the correlation of the respective one of the subscriber units with the geographic location of the subscriber.